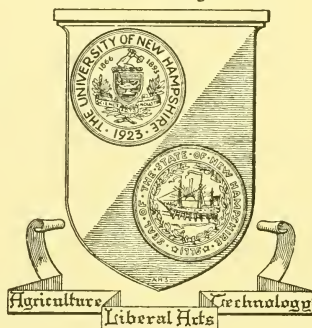


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Bulletin 434

August, 1956

NEW HAMPSHIRE  
AGRICULTURAL EXPERIMENT STATION

Department of Agronomy

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# Results of Seed Tests for 1956

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Made for the  
STATE DEPARTMENT OF AGRICULTURE



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by BESSIE G. SANBORN

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THE UNIVERSITY OF NEW HAMPSHIRE  
DURHAM, N. H.





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THE UNIVERSITY OF NEW HAMPSHIRE  
DURHAM, N. H.



## RESULTS OF SEED TESTS

Made July 1, 1955, to June 30, 1956

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This report contains the results of the seed inspection work for the State Department of Agriculture of 643 official samples collected throughout the state during the period from July 1, 1955, to June 30, 1956, by Mr. George H. Laramie, Control Supervisor, and Mr. Harold Ayer, Assistant Control Supervisor. In addition to these official samples, 1130 private samples were analyzed, making a total of 1773 samples inspected.

Wholesalers are listed in alphabetical order except when samples are presumed to have been carried over, in which case they are listed alphabetically by dealers. The New Hampshire seed law requires that both agricultural and vegetable seeds must be labeled with the calendar month and year when last tested for germination, and requires that this germination test shall have been completed within nine months of being offered for sale. In the following tables, if the date of test was within the prescribed nine months, the sample is marked satisfactory, "S" in this respect; if no date was given, the word "None" appears indicating a violation; if the date was a violation of the law because the test was not made within nine months, the date given on the tag or label appears in that column.

The first part of the report deals with 170 samples of agricultural seed tested for purity, germination and noxious weed content. There is a tolerance or allowable variation from the guarantee for both purity and germination, in accordance with the Rules for Seed Testing adopted by the Association of official Seed Analysts. If a sample when tested for purity falls within the allowable variation, it is marked "S" (satisfactory); if below the allowable variation, and therefore a violation, the actual figure found for purity is given. The same is true for germination in the case of agricultural seeds.

The second part of the report applies to 473 samples of vegetable seeds which were tested for germination only. The New Hampshire seed law requires that unless each packet or other container is plainly marked "Below Standard" together with the percentage of germination, vegetable seeds must test up to the prescribed standard for that kind of seed, and there is no tolerance from the adopted standards. In the column headed "Found" if the same was up to standard, an "S" (satisfactory) appears. The exception to this is in the case of a given sample being marked with a guarantee, which is not required if vegetable seed is up to standard; then, if the seed is found to be below the regular tolerance from that guaranteed figure, the figure found upon test followed by "+" is listed as "mis-labeled" even though it might in some cases be up to standard.

The New Hampshire seed law and the rules and regulations thereunder, including the germination standards for vegetable seed, follow:



# STATE OF NEW HAMPSHIRE

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## CHAPTER 224, REVISED LAWS (As inserted by Chapter 54 Laws of 1943)

### AN ACT

To Regulate the Labeling, Sale and Offering or Exposing for Sale,  
of Agricultural and Vegetable Seeds.

#### Agricultural and Vegetable Seeds

1. **Definitions.** Terms used in this chapter shall be construed as follows:

I. The term "agricultural seeds" shall include the seeds of grass, forage, cereal and fiber crops and any other kinds of seeds commonly recognized within this state as agricultural or field seeds, and mixtures of such seeds.

II. The term "vegetable seeds" shall include the seeds of those crops which are grown in gardens or on truck farms and are generally known and sold under the name of vegetable seeds in this state.

III. The term "weed seeds" shall include the seeds of all plants generally recognized as weeds within this state, and shall include noxious weed seeds.

IV. Noxious weed seeds shall be divided into two classes, "primary noxious weed seeds" and "secondary noxious weed seeds" as herein defined; provided, that the commissioner of agriculture may add to or subtract from the list of seeds included under either definition whenever he finds that such additions or subtractions are within the respective definitions.

V. "Primary noxious weed seeds" shall include the seeds of perennial weeds such as those that reproduce and spread by underground roots or stems as well as by seed and which, when established, are highly destructive and difficult to control in this state by ordinary good cultural practice. Primary noxious weed seeds in this state are the seeds of: Canada thistle (*Cirsium arvense*), field bindweed (*Convolvulus arvensis*), and quackgrass (*Agropyron repens*).

VI. "Secondary noxious weed seeds" shall include the seeds of such weeds as are very objectionable in field, lawns, or gardens of this state, but can be controlled by good cultural practices. The secondary noxious weed seeds in this state are the seeds of: dodder (*Cuscuta* spp.) and crab grass (*Digitaria sanguinalis*).

VII. The term "labeling" includes all labels, and other written, printed, or graphic representations, in any form whatsoever, accompanying

and pertaining to any seed whether in bulk or in containers, and includes invoices.

VIII. The term "advertisement" means all representations, other than those on the label, disseminated in any manner or by any means, relating to seed within the scope of this chapter.

2. **Label Requirement.** Each separate container of agricultural or vegetable seed, including seeds in small packets, which is sold, offered for sale, or exposed for sale, within this state for sowing purposes shall bear thereon or have attached thereto in a conspicuous place a plainly written or printed label or tag in the English language, giving the information as set forth in sections 3 and 4.

3. **Agricultural Seeds.** For agricultural seeds the following is required:

I. Commonly accepted name of kind, or kind and variety, of each agricultural seed component in excess of five per cent of the whole and the percentage by weight of each. Where more than one component is required to be named, the word "mixture" or mixed" shall be associated with the name on the label.

II. Lot number or other lot identification.

III. Origin, if known, of alfalfa, red clover and field corn (except hybrid corn). If the origin is unknown, that fact shall be stated.

IV. Percentage by weight of all weed seeds, including those known as noxious weeds.

V. If present, the names of the kinds of secondary noxious-weed seeds and the rate of occurrence of each: (A) Per ounce in *Agrostis* spp., *Poa* spp., *Rhodes* grass, *Bermuda* grass, *timothy*, *orchard* grass, *fescues*, *alsike* and *white* clover, *reed* canary grass, *Dallis* grass, *ryegrass*, *foxtail* millet, *crimson* clover, *Brassica* spp., *flax*, *Agropyron* spp., and other agricultural seeds of similar size and weight, or mixture within this group, and

(B) Per pound in *proso*, *Sudan* grass, *wheat*, *oats*, *rye*, *barley*, *buckwheat*, *sorghums*, *vetches*, and other agricultural seeds of a size and weight similar to or greater than those within this group, or any mixtures within this group. All determinations of noxious-weed seeds shall be subject to tolerances and methods of determination prescribed in the rules and regulations under this chapter.

VI. Percentage by weight of agricultural seeds other than those required to be named on the label.

VII. Percentage by weight of inert matter.

VIII. For each named agricultural seed, percentage of germination, exclusive of hard seed, percentage of hard seed, if present, and the calendar month and year the test was completed to determine such percentages.

IX. Name and address of the person who labeled said seed, or who sells, offers, or exposes said seed for sale within this state.

4. **Vegetable Seeds.** For vegetable seeds, the following is required:

I. Name of kind and variety of seeds, and the calendar month and year when last tested for germination.

II. For seeds which germinate less than the standard last established by the commissioner of agriculture hereunder, and in type not smaller than ten point size: percentage of germination exclusive of hard seed; percentage of hard seed, if present; and the words, "below standard."

III. Name and address of the person who labeled said seed, or who sells, offers or exposes said seed for sale within the state.

5. **Illegal Sales.** It shall be unlawful for any person to sell, offer for sale or expose for sale any agricultural or vegetable seed within this state:

I. Unless the test to determine the percentage of germination required by sections 3 and 4 shall have been completed within a nine-month period, exclusive of the calendar month in which the test was completed, immediately prior to sale, exposure for sale, or offering for sale or transportation.

II. Not labeled in accordance with the provisions hereof, or having a false or misleading labeling.

III. Pertaining to which there has been a false or misleading advertisement.

IV. Any agricultural seeds containing any primary noxious weed seeds except as may be allowed under tolerances prescribed in the rules and regulations hereunder.

6. **Prohibitions.** It shall be unlawful for any person within this state:

I. To detach, alter, deface, or destroy any label provided for herein or the rules and regulations made and promulgated hereunder, or to alter or substitute seed, in a manner that may defeat the purposes hereof.

II. To disseminate any false or misleading advertisement concerning agricultural or vegetable seed in any manner or by any means.

III. To hinder or obstruct in any way any authorized person in the performance of his duties hereunder.

IV. To fail to comply with a "stop sale" order.

7. **Exemptions.** The provisions of sections 2 to 6, inclusive, do not apply to seed or grain not intended for sowing purposes, nor to seed in storage in, or consigned to, a seed cleaning or processing establishment for cleaning or processing, provided, that any labeling or other representation which may be made with respect to the unclean seed shall be subject to the provisions hereof.

8. **Exceptions.** No person shall be subject to the penalties hereof for having sold, offered or exposed for sale in this state any agricultural or vegetable seeds, which were incorrectly labeled or represented as to kind, variety, or origin which seeds cannot be identified by examination thereof,

unless he has failed to take all proper precautions to insure the identity to be that stated in accordance with rules and regulations hereunder.

9. **Duties and Authority of Commissioner of Agriculture.** The commissioner of agriculture, who may act through his authorized agents, shall have the power:

I. To sample, inspect, make analyses of, and test, agricultural and vegetable seeds transported, sold, offered or exposed for sale within this state for sowing purposes, at such time and place and to such extent as he may deem necessary to determine whether said agricultural or vegetable seeds are in compliance with the provisions hereof, and to notify promptly the person who transported, sold, offered or exposed the seed for sale, of any violation.

II. To prescribe, and after public hearing to adopt, rules and regulations governing the methods of sampling, inspecting, analysis, tests, and examination of agricultural and vegetable seed, and the tolerances to be followed in the administration hereof, which shall be in general accord with officially prescribed practice in interstate commerce, and such other rules and regulations as may be necessary to secure the efficient enforcement hereof.

III. To enter upon any public or private premises during regular business hours in order to have access to seeds subject to this chapter and the rules and regulations promulgated hereunder.

IV. To issue written or printed "stop sale" orders which shall prohibit further sale of any lot of agricultural or vegetable seed which the commissioner has reason to believe is in violation of any of the provisions hereof until the law has been complied with or said violation otherwise legally disposed of: Provided, that no "stop sale" order shall be issued or attached to any lot of seed without first giving the owner or custodian of such seed an opportunity to comply with the law or to withdraw the seed from sale.

V. To establish and maintain or make provision for seed testing facilities, to employ qualified persons, and to incur such expenses as may be necessary to comply with these provisions.

VI. To make or provide for making purity and germination tests of seeds for farmers and dealers on request; to prescribe rules and regulations governing such testing; and to fix and collect charges for the tests made. All fees collected hereunder shall be paid over by the commissioner to the state treasurer who shall keep the same in a special fund to be used only for the purposes of this chapter.

VII. To co-operate with the United States Department of Agriculture in seed law enforcement.

10. **Seizure.** Upon the recommendation of the commissioner of agriculture or his duly authorized agents, the court of competent jurisdiction in the area in which the seed is located shall cause the seizure and subsequent denaturing, processing, or destruction to prevent the use for sowing



purposes of any lot of agricultural or vegetable seed found to be unfit for sowing purposes: Provided, that in no instances shall the denaturing, processing, or destruction be ordered without first having given the claimant of said seed an opportunity to apply to said court for the release of said seed.

11. **Penalties.** Whoever violates any of the provisions of this chapter or any rule or regulation promulgated hereunder shall be fined not exceeding one hundred dollars for the first offense and not exceeding two hundred and fifty dollars for each subsequent offense. Fines collected hereunder shall be paid, by the court collecting the same, to the commissioner of agriculture and by him forwarded to the state treasurer for the use of the state.

12. **Publication.** The commissioner of agriculture shall publish, or cause to be published, the results of test and analyses of samples of agricultural and vegetable seeds, as herein provided, together with the names and addresses of the persons from whom the samples of seed were obtained. He may publish such other information as he may deem advisable concerning the value, character and use of certain seeds.

13. **Takes Effect.** This act shall take effect upon its passage. Approved March 10, 1943.

## **RULES AND REGULATIONS**

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### **Sampling**

(a) In order to secure a representative sample, equal portions shall be taken from evenly distributed parts of the quantity of seed to be sampled. Access shall be had to all parts of that quantity.

(b) For free-flowing seed in bags or bulk, a probe or trier shall be used. For small free-flowing seed in bags, a probe or trier long enough to sample all portions of the bag should be used.

(c) Non-free flowing seed, such as certain grass seed, uncleaned seed, or screenings, difficult to sample with a probe or trier, shall be sampled by thrusting the hand into the bulk and withdrawing representative portions.

(d) The portions shall be combined into a composite sample or samples.

(e) As the seed is sampled, each portion shall be examined, and whenever there appears to be a lack of uniformity, additional samples shall be taken to show such lack of uniformity as may exist.

Bulk seeds shall be sampled by inserting a long probe or thrusting the hand into the bulk as circumstances require in several uniformly distributed parts of the quantity being sampled.

Bags. (1) In quantities of five bags or less, each bag shall be sampled.

(2) In quantities of more than five bags, at least every fifth bag but not less than five bags shall be sampled. Samples shall be drawn from unopened bags except under circumstances where the identity of the seed has been preserved.

In sampling packet seeds, entire unopened packets shall be taken.

Size of sample. The following are minimum weights of samples of seed to be submitted for analysis, test, or examination:

(1) Two ounces of grass seed not otherwise mentioned, white or alsike clover, or seeds not larger than these.

(2) Five ounces of red or crimson clover, alfalfa, ryegrass, bromegrasses, millet, flax, rape, or seeds of similar size.

(3) Two pounds of cereals, vetches, or seeds of similar or larger size.

(4) Two quarts of screenings.

### **Analysis**

The New Hampshire seed laboratory will be guided in making purity and germination tests by the rules and regulations prescribed under the Federal Seed Act.

### **Tolerance**

Owing to the natural variation between tests, the following tolerances shall be allowed between the percentages found by analysis, test or examination and the percentages stated on the tag accompanying the seed:

For purity: Allowing "a" to represent the component being considered and "b" the difference between that percentage and 100, according to the following formula:

$$\text{Pure seed tolerance} = 0.6 + \left( 0.2 \times \frac{a \times b}{100} \right)$$

a sample of timothy guaranteed 99.20% could test as low as 98.40% and be "satisfactory."

For germination: The following tolerances are applicable:

Mean:	Tolerance
96 or over	5
90 or over but less than 96	6
80 or over but less than 90	7
70 or over but less than 80	8
60 or over but less than 70	9
Less than 60	10

Therefore, a sample of seed guaranteed 85% for germination may be as low as 77% and be "satisfactory."

For weed seeds: The law requires in the labeling of agricultural seed

(1) that the percentage of all weed seeds present shall be shown on the tag, (2) that no primary noxious weed seeds shall be present in the sample, and (3) that, if present, the names of the kinds of secondary noxious weed seed and the rate of occurrence of each shall be stated: (A) Per ounce in *Agrostis* spp., *Poa* spp., *Rhodes* grass, *Bermuda* grass, timothy, orchard grass, fescues, alsike and white clover, reed canary grass, *Dallis* grass, ryegrass, foxtail millet, crimson clover, *Brassica* spp., flax, *Agropyron* spp., and other agricultural seeds of similar size and weight, or mixtures within this group, and

(B) Per pound in proso, Sudan grass, wheat, oats, rye, barley, buckwheat, sorghums, vetches, and other agricultural seeds of a size and weight similar to or greater than those within this group, or any mixtures within this group.

Certain tolerances are allowed, however, to provide for variation and unavoidable errors, but only within very narrow limits and for which there is always a standard formula for computation. Examples: (1) Timothy guaranteed only 2 per cent weed seeds will not be condemned if it has a 2.59 per cent. (2) No primary noxious weed seeds are allowed, but the presence of two such seeds in 50 grams of timothy would not be considered a violation. (3) Similarly, some slight variation from the minimum requirement for labeling secondary noxious weed seeds will be passed as satisfactory.

**Free Testing**

The Seed Testing Laboratory will allow two free tests, in a given year, to any resident company or person of New Hampshire, but such seeds must be received in the laboratory during the months of October, November, December and January. This number of samples, not including mixtures, may be analyzed either for purity or for germination, or one sample for both purity and germination, free of charge. A given seed company will

be entitled to two private tests without charge, but not two from each branch store. For numbers in excess of two, a charge will be made for labor and consumable supplies only, the amount depending on the type of sample according to the following schedule:

- Germination tests of all vegetable seeds, 30 cents;
- Germination tests of all agricultural crop seeds and grasses, 50 cents;
- Germination tests of mixtures, 50 cents for each kind of seed present;
- Purity analyses of cereals, timothy and larger crop seeds and legumes, \$1.00;
- Purity analyses of small grasses, \$2.00; unhulled redtop, \$2.50;

Purity analyses of mixtures, including those for lawn and pasture seedling, a charge sufficient to cover the actual cost of working the sample submitted for test, minimum charge of \$2.50.

Such private samples of seed to be tested should be drawn in such a way as to be representative of the bulk lot from which they are taken, and should be addressed to the State Seed Testing Laboratory, Durham, New Hampshire. Such private tests cannot be declared as state official tests unless drawn by a representative of the department of agriculture, as provided in Chapter 224 of the Public Laws. Fees must be paid before reports will be sent out.

The minimum weights of samples to be submitted for analyses are:

1. Two ounces of grass seed, white or alsike clover, or seeds not larger than these.
  2. Five ounces of red or crimson clover, alfalfa, rye grasses, millet, rape, or seeds of similar size.
  3. One pound of cereal, vetches or seeds of similar or larger size.
- The minimum number of seeds of any one kind to be submitted for a germination test is 400.

**Germination Standards for Vegetable Seed**

Following are the germination standards established by the commissioner of agriculture pertaining to Section four of the act entitled Vegetable Seeds.

Artichoke .....	60	Brussels sprouts .....	70
Asparagus, including hard seeds .....	70	Cabbage .....	75
Beans, garden (varieties other than Rival, Topcrop and Logan) .....	75	Chinese cabbage .....	75
Beans, garden (varieties Rival, Topcrop and Logan) .....	70	Carrot .....	55
Beans, horse or broad .....	75	Cauliflower .....	75
Beans, lima .....	70	Celery and celeriac .....	55
Beans,runner .....	75	Chicory .....	65
Beets .....	65	Citron .....	65
Broccoli .....	75	Collards .....	80
		Corn .....	75
		Cress, garden .....	60
		Cress, water .....	40
		Cucumber .....	80

Dandelion	45	Pumpkin	75
Eggplant	60	Radish	75
Endive	70	Rhubarb	60
Fetticus (cornsalad)	70	Rutabaga	75
Kale	75	Salsify	75
Kohlrabi	75	Sorrel	60
Leek	60	Soybean	75
Lettuce	80	Spinach (except New Zealand)	60
Muskmelon	75	Spinach (New Zealand)	40
Mustard	75	Squash	75
Okra	50	Swiss Chard	65
Onion	70	Tomato	75
Parsley	60	Tomato, husk	50
Parsnip	60	Turnip	80
Peas	80	Watermelon	70
Pepper	55		

Labeling

The following labels are suggested as meeting the minimum requirements of the New Hampshire seed law.  
Example for unmixed agricultural seed:

John F. Doe Company Greene, N. H.	Alsike Clover		Lot No. 243	
	Pure seed	98.65	Germination	80%
	Crop seed	.86	Hard seeds	7
	Weeds	.38		
	Inert matter	.11	Date of test Jan. (current year)*	
	Origin Idaho			
	1 dodder per oz.			

Example for mixed agricultural seed:

John F. Doe Company Greene, N. H.	Grass seed, mixed		Lot No. 0236	
	Purity:		Germination:	
	Perennial rye grass	32.23%	92.5%	Jan. (current year)*
	Chewings fescue	18.08	85.0%	Jan. (current year)*
	Kentucky bluegrass	14.75	80.0%	Jan. (current year)*
	Canada bluegrass	15.37	58.5%	Jan. (current year)*
	Creeping bent	14.20	84.0%	Jan. (current year)*
	Crop seed	.61		
	Weed seed	2.07		
	Inert matter	2.69		
	5 Crabgrass per oz.			

Example for vegetable seed:

(Up to standard)

New York Lettuce

John Smith, Dale, Ill.

Date of germination test: Feb. (cur. yr.)\*

(For vegetable seed  
which germinates  
less than standard)

New York Lettuce

John Smith, Dale, Ill.

Date of germination test: Feb. (cur. yr.)\*

Germination 75%

BELOW STANDARD

The law states that "each separate container of agricultural or vegetable seed, including seeds in small packets, shall be labeled"; but if a dealer has bulk lots of seeds exposed for sale and these bulk lots are properly labeled, he shall not be required to copy the information from the label on to each individual bag in which he delivers small lots of this bulk seed over the counter to customers.

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\* "Current year in this sample labeling means the month and year of the last germination test which must be stated and be within nine (9) months of the date the seeds are offered or exposed for sale. See par. 5 Section 1 of the law itself."

# New Hampshire Experiment Station AGRICULTURAL SEED INSPECTION, 1956

Name and Address of Wholesaler Name and Address of Dealer or Place Collected Kind of Seed		Sample No.	Date Tested*	Pure Seed	Other Crop Seed	Weed Seed	Inert Matter	Germi- nation	Remarks
				(Note)	(Note)	(Note)	(Note)	(Note)	
BELT SEED COMPANY, Baltimore, Md. A. J. Cameron Company, Farmington Mixture No. 2415		5687	S	L F L F L F L L F	.50 17.37	.34 S	.91 2.67		Other crop and inert matter ex- cessive.
Chewings fescue				59.21 48.65 19.73				90 S	Purity below guarantee.
Domestic ryegrass				13.36 9.81 9.50 17.53				90 S	Purity below guarantee.
Highland bentgrass								90 S	
Redtop								90 S	
Agrostis spp. (Highland bent & Redtop)								90 S	
ARTHUR R. CONE, INC., Buffalo, N. Y. Moulton, Goodwin & Hall, Portsmouth Alfalfa, Certified B. T. Ranger, 28-744		5999	S	L F L F L F L F	99.93 S 98.08 S 99.26 S 99.70 S 99.75 S 99.50 S 99.96 S 99.70 S 99.91 S		.07 S .39 S .74 S .15 S .25 S .50 S .04 S .03 S .07 S	61 S 83 S 95 S 90 S 90 S 80 S 97 S 80 S 93 S	
Alsike clover, 25-636		5996	S		1.18	.35			
Bentgrass, Colonial, 40-78		5998	S			.02			
Buckwheat, Mixed, 52 x 228		6001	S		.13				
Corn, Cornell 29-3, 84 T 477		6004	S						
Corn, Improved Leaming, 80-611		6005	S						
Corn, Certified Maine B Hybrid, 84T563		6006	S						
Japanese millet, 90-459		6002	S			.27			
Oats, Clinton No. 59, 50T711		6003	S		.01	.01			

\* As stated on accompanying tag. "S" in this column indicates that date of test was in compliance with law. Figures or "None" indicate violation. Note: L=Label; F=Found. "S" in the Found line indicates that the sample was satisfactory in relation to the guarantee. Figures indicate violation.

Name and Address of Wholesaler Name and Address of Dealer or Place Collected		Sample No.	Date Tested*	Pure Seed (Note)	Other Crop Seed (Note)	Weed Seed (Note)	Inert Matter (Note)	Germi- nation (Note)	Remarks
ARTHUR R. CONE, INC., Buffalo, N. Y., (con- tinued)									
Moulton, Goodwin & Hall, Portsmouth (con- tinued)									
Redtop, 30-204 .....									
Ryegrass, Common, 39-168 .....				L 92.60 F S	.20	.60	6.60	89	
Ryegrass, Perennial, 39-169 .....				L 99.63 F S		.18	.19	S	
Sudan grass, Common, 92-125 .....				L 99.41 F S		.35	.35	S	
Timothy, 10 x 314 .....				L 99.50 F S	.05	.05	.40	S	
F. B. Spaulding Co., Lancaster				L 99.70 F S	.15	.10	.05	S	
Hungarian millet, 90-470 .....				L 99.86 F S		.08	.06	S	
Oats, Cert. Clinton, 50 x 725 .....				L 99.75 F S		.01	.24	S	
Timothy, 10-223 .....				L 99.75 F S	.10	.05	.10	S	
Sunshine Stores, Inc., West Lebanon				L 99.96 F S			.04	S	
Alfalfa, Cert. Narragansett, 28-751 .....				L 99.90 F S			.10	S	
Alfalfa, Certified B. T. Ranger, 28-745 .....				L 98.08 F S	1.18	.35		S	
Alsike clover, 25-636 .....				L 88.26 F S	.14	.46	11.46	S	
Brome grass, Lincoln, 43-111 .....				L 99.50 F S			.50	S	
Field peas, Canada, 60-60 .....				L 99.86 F S		.08	.06	S	
Hungarian millet, 90-470 .....				L 99.50 F S		.40	.10	S	
Japanese millet, 90 x 420 .....				L 99.86 F S	.05		.09	S	
Ladino clover, Certified, 35-168 .....				L 99.30 F S	.08	.04	.58	S	
Red clover, Medium, 15 x 112 .....				L 94.04 F S	.80	.36	4.80	S	
Redtop, 30-285 .....				L 99.41 F S		.24	.35	S	
Ryegrass, Perennial, 39-169 .....				L 99.50 F S	.05	.05	.40	S	
Sudan grass, Common, 92-125 .....				L 99.60 F S		.16	.24	S	
Sweet clover, 29-245 .....				L 99.75 F S	.10	.05	.10	S	
Timothy, 10-223 .....				L 99.75 F S				S	

Germination below guarantee.



White clover, 32-178 .....	6051	S	L	98.66	.55	.49	.30	71	S
ALBERT DICKINSON CO., Chicago, Ill.									
Merrinack Farmers' Exchange, Inc., Nashua									
Red clover, Medium, 24364 .....	5987	S	L	99.26	.36	.18	.20	87	S
Merrinack Farmers' Exchange, Inc., Woodsville									
Redtop, 04114 .....	6185	S	L	93.30	.10	1.00	5.60	90	S
EASTERN SEED CO., Jersey City, N. J.									
A & P Stores, Manchester									
White clover, Fancy, 5511-A .....	6228	S	L	99.71	.05	.14	.10	78	S
EASTERN STATES FARMERS' EXCH., INC., West Springfield, Mass.									
Dewey Smith & Sons, Amherst									
Rye, Forage Winter, 1084 .....	5684	S	L	98.80	.55	.05	.60	88	S
Eastern States Farmers' Exch., Inc., Claremont									
Oats, Forage, 803 .....	5833	S	L	98.04	1.20	.10	.30	90	S
Eastern States Farmers' Exch., Inc., Dover									
Allalfa, Ranger, 792 .....	5763	S	L	99.60	.05	.10	.25	65	S
Alsike clover, 1095 .....	5761	S	L	99.40	.25	.20	.15	73	S
Birdsfoot trefoil, 1144 .....	5765	S	L	97.65	2.01	.15	.19	69	S
Bluegrass, Kentucky, 693 A .....	5756	S	L	90.00	.10	.25	9.65	85	S
Ladino clover, 781 .....	5755	S	L	99.55	.06	.14	.25	62	S
Orchard grass, 1106 .....	5757	S	L	89.25	.07	.49	10.19	90	S
Red clover, Pennscott, 807 .....	5753	S	L	99.60	.15	.17	.08	65	S
Red clover, Kenland, 433 .....	5760	S	L	99.60	.20	.05	.15	74	S
Red fescue, Creeping, 710 .....	5759	S	L	97.60	.20	.06	2.14	85	S
Reed canary grass, 1115 .....	5764	S	L	99.00	.06	.10	.84	72	S
Timothy, 1098 .....	5762	S	L	99.50	.08	.07	.35	85	S
Eastern States Farmers' Exch., Inc., Manchester									
Rye, Forage Winter, 1083 .....	5686	S	L	99.00	.45	.10	.45	85	S
Eastern States Farmers' Exch., Inc., Woodsville									
Allalfa, Narragansett, 804 .....	6184	S	L	99.80	.04	.04	.12	78	S

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Name and Address of Wholesaler Name and Address of Dealer or Place Collected Kind of Seed			Sample No.	Date Tested*	Pure Seed (Note)	Other Crop Seed (Note)	Weed Seed (Note)	Inert Matter (Note)	Germin- ation (Note)	Remarks
<b>EASTERN STATES FARMERS' EXCH., INC.,</b> W. Springfield, Mass. (continued)										
Alsike clover, 1095			6176	S	L 99.40 F	.25	.15	.20	73	
Corn, Maine B, 1717			6179	S	L 99.50 F	S	S	.50	90	
Corn, Mass. 63 1897			6180	S	L 99.50 F	S	S	.50	90	
Corn, Wisconsin 335, 1095			6182	S	L 99.50 F	S	S	.50	90	
Ladino clover, 781			6178	S	L 99.55 F	.06	.14	.25	62	
Red clover, Medium, 128			6177	S	L 99.50 F	.96	.05	.09	89	
Redtop, Fancy Solid, 1101			6183	S	L 92.00 F	1.40	.35	6.25	90	
Reed canary grass, 1115			6181	S	L 99.00 F	.06	.10	.84	72	
<b>EASTERN TREE &amp; LANDSCAPE, Dedham, Mass.</b> Eastern Tree & Landscape, Dedham, Mass. Mixture, Davison No. 41455F, PMA-218			5678	S	L 56.45 L 17.74 L 9.41 L 9.38 F	.83	.39	5.80	85 50.5 90	Germination below guarantee.
Creeping Red fescue										
Common ryegrass										
Highland bentgrass										
Redtop										
<b>EDGEWOOD FARMS, INC., Marysville, Ohio</b> J. J. Morcau & Sons, Manchester Grass Seed Mixture 864, Thriftee Green 68301			5727	S	L 39.65 L 21.80 F 63.41 L 15.12 F 10.13 F 1.04 L	1.89	.59	9.87	85 85 70 70 62	
Domestic ryegrass										
Perennial ryegrass										
Ryegrass										
Creeping red fescue										
Kentucky bluegrass										
White clover										
<b>FARMERS' FEED &amp; SUPPLY CO., North Haverhill, N. H.</b> Farmers' Feed & Supply Co., North Haverhill Alsike clover, 1570			6164	S	L 99.10 F	.80	.05	.05	84 73.5	Germination below guarantee.

FLOWER LANE FARM, Martinsville, N. Y.

First National Stores, Dover  
Grass Seed, Glenside Park,

Grass Seed, Glenside Park, 56-102

Grass Seed, Glenside Park, 56-102	5946	S	L	P	30.30	.S	.22	1.56	85	Germination below guarantee.
Creeping Red Fescue			L	P	30.30				85	
Perennial ryegrass			L	P	29.53				86	
Domestic ryegrass			L	P	25.75				87	
Ryegrass			L	P	65.33				88	
Timothy			L	P	9.64				89	
Colonial Bent			L	P	3.00				90	
BILLY HEPLER SEED CO., Durham, N. H.									91	
Industrial School, Manchester									92	
Corn, Kingstroot Double Cross, D45311	6105	S	L	P	99.75	.S	.25		93	
A. H. HOFFMAN, INC., Landisville, Pa.									94	
E. W. Bailey & Co., Inc., Colebrook									95	
Corn, Funk's C7, 4350-1	6204	S	L	P	99.50	.S	.50		96	
LAWN & GRASS SEED, INC., Buffalo, N. Y.									97	
Adams Super Market, Plymouth									98	
Nu Lawn, LG 556	6137	S	L	P		.20	.15	5.10	99	
Creeping red fescue			L	P	38.80				100	
Kentucky bluegrass			L	P	17.00				101	
Perennial ryegrass			L	P	14.70				102	
Poa trivialis			L	P	12.35				103	
Highland bentgrass			L	P	9.80				104	
Merion Kentucky bluegrass			L	P	1.90				105	
LEE PATTEN SEED CO., Jersey City, N. J.									106	
Roger Chagnon, Manchester									107	
White clover, C 500	6229	S	L	P	98.00	.50	.35	1.15	108	
MERRIMACK FARMERS' EXCH., INC., Concord									109	
Merrimack Farmers' Exch., Inc., Epping									110	
Rye, Rosen Winter, 91255	5682	S	L	P	95.32	2.53	.50	1.33	111	
Merrimack Farmers' Exch., Inc., Exeter									112	
Buckwheat, Japanese, 5640	6283	S	L	P	99.50	.02	.02	.46	113	
Orchard grass, 37590	6282	S	L	P	89.70	.55	.85	8.90	114	
			L	P					115	
			L	P					116	
			L	P					117	
			L	P					118	
			L	P					119	
			L	P					120	
			L	P					121	
			L	P					122	
			L	P					123	
			L	P					124	
			L	P					125	
			L	P					126	
			L	P					127	
			L	P					128	
			L	P					129	
			L	P					130	
			L	P					131	
			L	P					132	
			L	P					133	
			L	P					134	
			L	P					135	
			L	P					136	
			L	P					137	
			L	P					138	
			L	P					139	
			L	P					140	
			L	P					141	
			L	P					142	
			L	P					143	
			L	P					144	
			L	P					145	
			L	P					146	
			L	P					147	</

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Name and Address of Wholesaler  
Name and Address of Dealer  
or Place Collected  
Kind of Seed

Sample No.	Date Tested*	Pure Seed	Other Crop Seed	Weed Seed	Inert Matter	Germi- nation	Remarks
		(Note)	(Note)	(Note)	(Note)	(Note)	
<b>MERRIMACK FARMERS' EXCH., INC., Con- cord (continued)</b>							
Merrimack Farmers' Exch., Inc., Exeter (con- tinued)							
6281	S	L 99.70 F S	S	.10 S	.20 S	75 S	
5766	S	L F				62	
Merrimack Farmers' Exch., Inc., Goffstown							
6272	S	L 98.91 F S	.91 S	.02 S	.16 S	86 S	
6273	S	L 86.40 F S	.10 S	.10 S	13.40 S	74 S	
6271	S	L 96.45 F S	.32 S	.28 S	2.95 S	88 S	
6270	S	L 98.85 F S	.40 S	.20 S	.55 S	85 S	
6012	S	L F				64.5	
Merrimack Farmers' Exch., Inc., Laconia							
Merrimack Farmers' Exch., Inc., Nashua							
5989	S	L 99.84 F S	S	.02 S	.14 S	90 S	
5984	S	L 99.30 F S	.30 S	.25 S	.15 S	85 S	
5991	S	L 99.50 F S	.02 S	.02 S	.46 S	95 S	
5988	S	L 99.31 F S	.02 S	.01 S	.66 S	84 S	
5992	S	L F	.25 S	.25 S	4.50 S		
Kentucky bluegrass							
Creeping red fescue							
Illaloe fescue							
Red fescue, including Illaloe							
Common ryegrass							
Highland bentgrass							
5990	S	L 99.34 F S	S	.24 S	.42 S	80 S	
5986	S	L 93.80 F S	1.00 S	1.00 S	4.20 S	82.5 S	
5985	S	L 99.60 F S	.12 S	.12 S	.16 S	83 S	
Timothy, 3485							

**Merrimack Farmers' Exch., Inc., Plymouth**

Alfalfa, Ranger, 028751	6139	S	L	99.52	.02	.02	.44	92	Germination below guarantee.
Corn, Wisconsin 240, 3471	6144	S	L	99.98	S	S	.02	69	
Corn, Cornell 29-3, 3533	6145	S	L	99.96	S	S	.04	95	
Hungarian millet, 1051	6143	S	L	99.34	S	S	.42	80	
Japanese millet, 1049	6142	S	L	97.98	S	S	.12	70	
Oats, Clinton, 55-3-A	6138	S	L	99.50	.02	.03	.45	89	
Ryegrass, Perennial, 038527	6141	S	L	99.70	.02	.04	.24	95	
Timothy, 66627	6140	S	L	99.70	.05	.05	.20	89	
<b>Merrimack Farmers' Exch., Inc., Rochester</b>									
Alfalfa, Grimm, 27134	6103	S	L	99.68	.10	.10	.02	74	
Corn, Cornell M-1, 3654	6101	S	L	99.99	S	S	.01	92	
Japanese buckwheat, 5640	6098	S	L	99.50	.02	.02	.46	95	
Japanese millet, 1049	6104	S	L	97.98	S	S	.12	70	
Red clover, Medium, 24-305	6097	S	L	99.28	.58	.06	.08	92	
Red fescue, Creeping, 034264 No. 3	6100	S	L	95.80	.25	.15	3.80	90	
Reed canary grass, 3405	6099	S	L	99.50	.01	.10	.31	65	Germination below guarantee.
Ryegrass, Common, 038546	6102	S	L	99.40	.08	.10	.42	95	
<b>Merrimack Farmers' Exch., Inc., Woodsville</b>									
Bluegrass, Kentucky, 52921	6187	S	L	86.40	.10	.10	13.40	74	
Oats, Clinton, 55-3-A	6189	S	L	99.50	.02	.03	.45	89	
Orchard grass, 2983	6186	S	L	88.88	.40	S	10.72	65	
Red clover, Medium, 5579	6188	S	L	99.39	.20	.12	.29	75	
<b>Public Works &amp; Highways, Sign Div., Concord</b>									
Mixture, Lot No. 2	5730	S	L		.18	.38	1.67	S	
Timothy			L	39.88				89	
Redtop			F	38.08				95	
White clover				9.88				87	
Alsike clover				9.93				86	

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Name and Address of Wholesaler Name and Address of Dealer or Place Collected Kind of Seed	Sample No.	Date Tested*	Pure Seed (Note)	Other Crop Seed (Note)	Weed Seed (Note)	Inert Matter (Note)	Germi- nation (Note)	Remarks
<b>N. Y. CERTIFIED SEED GROWERS, Ithaca, N. Y.</b>								
E. W. Bailey & Co., North Haverhill Oats, Gary, 2781 .....	6146	S	L 99.80 F	.01 S	S	.19 S	97 S	
E. W. Bailey & Co., North Haverhill Oats, Gary, 2781 .....	6203	S	L 99.80 F	.01 S	S	.19 S	97 S	
O. & M. SEED CO., Green Springs, Ohio Farmers Feed & Supply Co. No. Haverhill Oats, Clinton, A3498 .....	6167	S	L 99.20 F	.35 S	.05 S	.40 S	90 S	
O. M. SCOTT & SONS, CO., Marysville, Ohio J. J. Moreau & Sons, Manchester 28 Clover, Blend of White clover seed and Or- ganic Carrier .....	5729	S	L 51.23 F	S	.06 S	48.71 S	70 S	
54 Scott's Special Mixture, 69801 .....	5728	S	L 63.17 F	S	.29 S	4.60 S	80 S	
Chewings fescue .....			L 22.68 F				75 S	
Kentucky bluegrass .....			L 9.26 F				75 S	
Poa trivialis .....								
SEARS ROEBUCK & CO., Chicago, Ill. Sears Roebuck & Co., Nashua Grass Seed, Green Carpet, 6032E .....	5963	S	L 48.08 F 20.79 F 70.99** L 15.23	3.07 S	.23 S	1.78 S	90 90 97** 85	**Satisfactory.
Domestic ryegrass .....			L 6.30 F				70 S	
Perennial ryegrass .....			L 4.52 F				70 S	
Ryegrass .....								
Creeping red fescue .....								
Poa trivialis .....								
Kentucky bluegrass .....								
<b>STANFORD SEED CO., Buffalo, N. Y.</b>								
E. W. Bailey & Co., Inc., Colebrook Barley, Erie, 2706 .....	6205	S	L 99.50 F	.20 S	.05 S	.25 S	90 S	
Greenville Grain Co., Greenville Allalfa, Buffalo, 2376 .....	6077	S	L 99.88 F	S	S	.12 S	90 S	
Allalfa, 6272 .....	6078	S	L 99.98 F	S	.01 S	.01 S	86 S	
Alsike clover, 6237 .....	6081	S	L 99.00 F	.25 S	.25 S	.50 S	80 S	

Corn, Wisconsin 29-3, 2679	6080	S	L 99.75	\$	.25	90
Ladino clover, 6110	6079	S	L 99.33	.14	\$	70
Timothy, 2568	6076	S	L 99.80	.06	\$	95
Merrimack Farmers' Exch., Inc., Bow						
Rye, Winter Balbo, 6084	5681	S	L 95.00	3.36	1.64	85
Rye, Tetra Petkus, 6007	5683	S	L 99.50	\$	.50	90
Merrimack Farmers' Exch., Inc., Manchester						
Rye, Tetra Petkus, 6009	5685	S	L 99.22	\$	.78	86
Merrimack Farmers' Exch., Inc., Woodsville						
Corn, Certified Mass. 63, 2649	6190	S	L 99.75	\$	.25	95
F. B. Spaulding Co., Lancaster						
Oats, Gary, 2732	6225	S	L 99.95	.01	.04	93
Rye, Winter, 1119	5680	S	L 98.00	.25	1.55	85
Withmore Feed Co., Charlestown						
Alfalfa, Grimm, 6279	6131	S	L 99.50	.10	.35	80
Rye, Winter, 1137	6132	S	L 99.50	.01	.46	80
Withmore Grain Co., Londonderry						
Hungarian millet, 2001	6094	S	L 99.11	.11	.13	90
Japanese millet, 6142	6095	S	L 98.72	1.28	\$	80
Ladino clover, 6110	6096	S	L 99.33	.13	.40	70
Withmore Grain Co., Nashua						
Buckwheat, Silverhull, 6254	5977	S	L 99.78	\$	.22	85
Sudan grass, Common, 2597	5976	S	L 98.25	.10	1.40	80
Timothy, 6169	5975	S	L 99.75	.09	.13	92
WHITNEY SEED CO., Buffalo, N. Y.						
Checkerboard Feed Co., Manchester						
Alfalfa, Ranger, 2167	5932	S	L 99.64	.02	.34	92
Hungarian millet	5928	S	L 98.94	.12	.30	85
Japanese millet, 46585	5930	S	L 97.92	2.02	.06	90
Oats, Clinton, 82828	5929	S	L 99.85	.04	.11	94

Germination below guarantee.

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Kind of Seed

Sample No.	Date Tested*	Pure Seed	Other Crop Seed	Weed Seed	Inert Matter	Germi- nation	Remarks
		(Note)	(Note)	(Note)	(Note)	(Note)	
<b>WHITNEY SEED CO., Buffalo, N. Y. (con- tinued)</b>							
<b>Checkerboard Feed Co., Manchester (continued)</b>							
5931	S	L 99.12 P .07	.67	.07	.14	83	
5933	S	L 89.80 P 1.40	.60	1.40	8.20	85	
5947	S	L P .50	S	.50	3.12	S	
<b>Checkerboard Feed Store, Nashua Lawn Seed, Shady Spot, Sp. 655</b>							
Common ryegrass							
Perennial ryegrass							
Ryegrass							
Red fescue							
Alta fescue							
Poa trivialis							
<b>Dodge Grain Co., Salem Depot</b>							
5893	S	L 99.64 P .02	S	.02	.34	92	
5891	S	L 98.94 P .06	.12	.64	.30	85	
5890	S	L 93.54 P .05	.60	.05	5.81	85	
5892	S	L 98.25 P .20	.20	.20	1.35	80	
6210	S	L 99.58 P .18	.20	.18	.04	70	
6212	S	L 99.10 P .05	.80	.05	.05	70	
6206	S	L 99.50 P .50	S	S	.50	94	
6208	S	L 99.75 P .25	S	S	.25	90	
6209	S	L 99.50 P .50	S	S	.50	90	
6213	S	L 99.12 P .67	.67	.07	.14	83	
6211	S	L 89.80 P 1.40	.60	1.40	8.20	85	
5679	S	L 98.00 P .15	1.50	.15	.35	85	
6207	S	L 99.75 P .10	S	.05	.10	90	
6034	S	L 99.20 P .15	.10	.55	.15	80	
<b>Farmers Feed &amp; Supply Co., Lebanon</b>							
Alsike clover, 1575							

\*\*Satisfactory.



Ladino clover, B.T. Certified, 56610 .....	6032	S	L	99.70	.10	.15	.05	73
Red clover, Medium, 50675 .....	6035	S	F	99.12	.67	.07	.14	83
Redtop, 40576 .....	6031	S	F	89.80	.60	1.40	8.20	85
Timothy, 1269 .....	6033	S	L	99.75	.10	.05	.10	90
Farmers Feed & Supply Co., North Haverhill Corn, Cornell 29-3, 71436 .....	6168	S	L	99.50		.50		90
Corn, Funk's G10, Lot No. G10 .....	6169	S	F	99.75		.25		90
Hungarian millet, 48547 .....	6162	S	L	98.92	.14	.64	.30	80
Japanese millet, 46581 .....	6166	S	L	99.11	.06	.64	.19	80
Ladino clover, B.T. Certified, 56L10 .....	6163	S	L	99.70	.10	.15	.05	73
Timothy, 1237 .....	6165	S	L	99.75	.05	.05	.15	84
R. N. Johnson Co., Walpole Brome grass, Domestic, 3838 .....	6133	S	L	92.22	.04	1.24	6.50	85
Corn, Cornell M-4, 71427 .....	6135	S	L	99.50		.50		94
Red clover, Medium, 50675 .....	6136	S	L	99.12	.67	.07	.14	83
Timothy, 1272 .....	6134	S	L	99.75	.10	.05	.10	90
Transit Seeding, Inc., Newington Formula No. 1, Lot 26355 .....	5677	S	L			.34	1.97	
Creeping red fescue .....			L	30.07				85
Alta fescue .....			L	29.40				85
Highland bentgrass .....			L	19.60				85
Domestic ryegrass .....			L	18.62				85
Formula No. 2, Lot 26455 .....	5676	S	L			.31	2.32	
Chewings fescue .....			L	58.80				85
Domestic ryegrass .....			L	19.11				85
Highland bentgrass .....			L	9.80				85
Redtop .....			L	9.66				85

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# New Hampshire Experiment Station

## VEGETABLE SEED INSPECTION, 1956

Name and Address of Wholesaler Name and Address of Dealer or Place Collected Kind of Seed	Sample No.	Date Tested*	Germination		
			Found	Guaran- teed**	N. H. Standard
(Note)					
ALLEN, STERLING & LOTHROP, Portland, Me.					
G. B. Currier Co., West Stewartstown					
Beans, Kentucky Wonder	6230	S	S	..	75
Beans, Pencil Pod Black Wax	6231	S	S	..	75
Beans, Burpee's Stringless Green Pod	6232	S	S	..	75
Beans, Dwarf Horticultural	6234	S	S	..	75
Beet, Detroit Dark Red	6235	S	S	..	65
Carrot, Danvers Half Long	6239	S	S	..	75
Corn, Marcross, C13-6	6233	S	S	..	75
Cucumber, Highmoor	6236	S	S	..	80
Rutabaga, American Purple Top	6238	S	S	..	75
Squash, Hubbard	6240	S	S	..	75
Swiss Chard, Lucullus	6237	S	S	..	65
Arthur Potter Co., Conway					
Corn, Golden Bantam	6303	S	S	..	75
Peas, Laxton's Progress	6302	S	S	..	80
ASSOCIATED SEED GROWERS, INC., New Haven, Conn.					
J. Jones & Son Co., Alton					
Beans, Taylor's Horticultural	6296	S	S	90	75
Beans, Tenderlong	6299	S	81†	92	75
Beans, Pencil Pod Black Wax	6297	S	S	90	75
Corn, Golden Bantam	6301	S	S	90	75
Peas, Blue Bantam	6298	S	S	90	80
Peas, Dwarf Telephone	6300	S	S	90	80
ASSOCIATED SEED GROWERS, INC., Cambridge, N. Y.					
Merrimack Farmers' Exch., Inc., Peterboro					
Muskmelon, Early Bender (Delicious)	5902	S	S	80	75
Onion, Yellow Globe Danvers	5907	S	32	75	70
Radish, Long White Icicle	5904	S	S	80	75
Spinach, Bloomsdale Savoy Leaved	5903	S	S	65	60
Squash, Early Summer Crookneck	5900	S	S	80	75
Tomato, Rutgers	5905	S	S	80	75
W. E. AUBUCHON CO., INC., Fitchburg, Mass.					
W. E. Aubuchon Co., Inc., Milford					
Beans, Top Notch Garden Wax	5876	S	49	..	75
Beans, Black Wax	5878	S	S	..	75
Peas, Tall Telephone	5875	S	S	..	80
Peas, American Wonder	5877	S	S	..	80
AYERS & JENKINS CO., Rochester					
Ayers & Jenkins Co., Rochester					
Beans, Maine Yellow Eye	6063	S	S	80	75
Beans, Goddard Bush	6064	S	S	92	75
Carrot, Danvers Half Long	6059	S	S	..	55
Cucumber, Long Green	6060	S	S	86	80
Cucumber, Straight Eight	6062	S	S	90	80
Peas, Sutton's Excelsior	6065	S	S	80	80
Peas, World's Record	6066	S	S	80	80
Radish, Scarlet	6061	S	S	86	75
B. & M. CANNING, Portland, Me.					
B. & M. Canning, Pittsfield					
Corn, Dirigo Large Sweet	6274	S	S	85	75
Corn, Seneca Sweet Golden	6275	S	S	85	75
Corn, Early Golden Hybrid Sweet	6276	S	S	85	75
Corn, Hybrid E. Sweet	6277	S	S	85	75
BRECK'S, Boston, Mass.					
Keegan Hardware, Franklin					
Beet, Crosby's Egyptian, 5305	5781	S	S	..	65
Carrot, Danvers Half Long, 5564	5908	S	S	55	55
Radish, Early Scarlet Globe, 6764	5911	S	S	75	75
Squash, Breck's Butternut, 6954	5906	S	S	..	75
Swiss Chard, Lucullus, 6875	5909	S	S	65	65

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			Found	Guaran- teed**	N. H. Standard
(Note)					
BRECK'S, Boston, Mass. (continued)					
Wendell's Hardware, Portsmouth					
Broccoli, Breck's Selected	5795	S	S	..	75
Cabbage, Winchester Savoy	5789	S	S	..	75
Cabbage, Early Jersey Wakefield	5790	S	S	..	75
Cabbage, Copenhagen	5791	S	S	..	75
Carrot, Imperida	5796	S	S	..	55
Celery, Giant Pascal	5788	S	S	..	55
Lettuce, Black Seeded Simpson	5787	S	S	..	80
Lettuce, Iceberg, N. Y. No. 12	5794	S	S	..	80
Pepper, Large Ball, Sweet Bull Nose	5792	S	S	..	55
Pepper, California Wonder	5793	S	S	..	55
W. ATLEE BURPEE CO., Philadelphia, Pa.					
Goffstown Hardware, Goffstown					
Carrot, Danvers Half Long, 6016	5746	S	S	65	55
Pepper, Merrimack Wonder, 5045	5745	S	S	70	55
Tomato, Rutgers, 5061	5743	S	S	80	75
Tomato, Bonny Best, Certified, 5065	5744	S	S	80	75
Watermelon, N. H. Midget, 6068	5742	S	S	80	70
Spencer Hardware, Keene					
Beet, Crosby's Egyptian	5834	S	S	75	65
Cabbage, Michihli Chinese	5833	S	S	80	75
Carrot, Chantenay	5837	S	S	65	55
Corn, Burpee's Surecross Hybrid	5826	S	S	80	75
Corn, Golden Cross Bantam Hybrid	5827	S	S	80	75
Peas, Burpee's Blue Bantam	5828	S	S	80	80
Radish, Sparkler	5832	S	S	80	75
Squash, Golden Summer Crookneck	5829	S	S	80	75
Squash, Fordhook Zucchini	5831	S	S	80	75
Swiss Chard, Lucullus	5835	S	S	75	65
Tomato, Marglobe	5836	S	S	80	75
Watermelon, Dixie Queen, Wilt Resistant	5830	S	S	75	70
COMSTOCK, FERRE & CO., Wethersfield, Conn.					
Garden Center, Nashua					
Cabbage, Copenhagen Market	5925	S	64.5	80	75
Carrot, Improved Danvers Half Long	5922	S	S	85	55
Carrot, Imperator, Long Strain	5923	S	S	85	55
Carrot, Tendersweet	5924	S	S	75	55
Lettuce, Iceberg	5918	S	S	85	80
Lettuce, Oak Leaf	5919	S	S	85	80
Lettuce, Salad Bowl	5927	S	S	85	80
Onion, Early Yellow Globe	5920	S	S	85	70
Parsnip, Champion Hollow Crown, 2972	5921	S	S	70	60
Radish, Early Scarlet Globe Select	5916	S	S	85	75
Radish, Cherry Belle	5917	S	S	85	75
THE COUNTY STORE, Milford					
The County Store, Milford					
Beans, Bush	6225	S	S	80	75
Beans, Bush Stringless Green Pod	6256	S	S	81	75
Beet, Early Wonder	6253	S	S	75	65
Beet, Detroit Dark Red	6258	S	S	75	65
Corn, Granite State Early	6260	S	S	85	75
Lettuce, Prizehead	6254	S	56	80	80
Lima beans, Bush	6257	S	S	80	70
New Zealand spinach	6261	S	S	50	40
Peas, Nott's Excelsior	6252	S	S	80	80
Peas, Early Wrinkled	6259	S	S	80	80
CROSMAN SEED CORP., East Rochester, N. Y.					
Montgomery Ward Co., Claremont					
Beans, Kenucky Wonder	5797	S	S	90	75
Beans, Top Crop	5802	S	S	80	70
Beet, Detroit Dark Red	5812	S	S	85	65
Beet, Crosby's Egyptian	5813	S	S	85	65
Broccoli, DeCicco	5809	S	S	85	75
Carrot, Nantes	5816	S	S	70	55
Corn, Golden Bantam	5798	S	S	85	75
Corn, Marcross Hybrid, C6 x C13	5799	S	S	90	75
Cucumber, Improved Long Green	5804	S	S	90	80
Endive, Broad Leaved or Escarolle	5811	S	S	80	70

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(Note)					
CROSMAN SEED CORP., East Rochester, N. Y. (continued)					
Montgomery Ward Co., Claremont (continued)					
Lettuce, Black Seeded Simpson	5815	S	S	90	80
Lima beans, Henderson's Bush	5801	S	S	85	70
Muskmelon, Iroquois	5803	S	S	85	75
Muskmelon, Bender's Surprise	5805	S	S	80	75
Parsnip, Harris Model	5814	S	S	75	60
Peas, Little Marvel	5800	S	S	90	80
Radish, Scarlet Turnip White Tipped	5807	S	S	90	75
Radish, Early Scarlet Globe	5808	S	S	90	75
Squash, Early Golden Summer Crookneck	5806	S	S	90	75
EASTERN STATES FARMERS' EXCH., INC., West Springfield, Mass.					
Eastern States Farmers' Exch., Inc., Claremont					
Beet, Eastern Wonder, V96 126	5842	S	S	..	65
Beet, Perfected Detroit, V95 146	5843	S	S	..	65
Broccoli, Waltham 29, V269 208	5844	S	S	..	75
Brussels Sprouts, Catskill, V310 214	5845	S	S	..	70
Cabbage, Penn State Ballhead, V126	5747	S	S	90	75
Carrot, Long Chantenay, V20	5849	S	S	..	55
Cauliflower, Snowball, V160 369	5841	S	S	..	75
Celery, Fordhook, V288	5749	S	S	85	55
Celery, Emerson Pascal, V726	5753	S	S	90	55
Corn, Gold Mine, V293R	5851	S	S	90	75
Corn, Butter & Sugar, V297R	5852	S	S	90	75
Corn, Barbeque Yellow Hybrid, V476R	5853	S	S	90	75
Endive, Green Curled Ruffec, V229	5846	S	S	..	70
New Zealand Spinach, V77	5848	S	S	..	40
Onion, Utah Valencia, V431	5751	S	S	80	70
Parsley, Paramount, V330	5847	S	S	..	60
Parsnip, Model, V435	5748	S	S	90	60
Parsnip, Hollow Crown, V434	5750	S	S	85	60
Rutabaga, Albergur, V341	5840	S	S	..	75
Spinach, Long Standing Bloomsdale, V113	5850	S	S	..	60
Spinach, Dark Green Bloomsdale, V438	5752	S	S	90	60
Squash, Table Queen, V460	5754	S	S	85	75
Turnip, Amber Globe, V340	5839	S	S	..	80
Eastern States Farmers' Exch., Inc., Manchester					
Beet, Eastern Wonder, V96 126	5716	S	S	85	65
Beet, Perfected Detroit, V95 146	5717	S	S	85	65
Broccoli, Early One, V188 202	5719	S	S	90	75
Cabbage, Wisconsin Golden Acre, V311 233	5718	S	S	80	75
Cabbage, Michihli, V156 985	5714	S	S	80	75
Carrot, Long Chantenay, V20	5715	S	S	85	55
Cucumber, Marketer, V322	5713	S	S	80	80
Endive, Green Curled Ruffec, V229	5711	S	S	90	70
Kale, Blue Scotch, V325	5712	S	S	90	75
Muskmelon, Emerald Gem, V21	5710	S	S	75	75
Watermelon, N. H. Midget, V101	5708	S	S	80	70
Watermelon, Northern Sweet, V407	5709	S	S	75	70
Eastern States Farmers' Exch., Inc., Milford					
Lettuce, Penn Lake, V368	5881	S	S	..	80
Lettuce, Great Lakes, V66 517	5882	S	S	..	80
Melon, Delicious, V69	5880	S	S	..	75
Parsnip, Imp. Hollow Crown, V434	5879	S	S	..	60
Peas, Freezonian, V119A 682	5884	S	S	..	80
Peas, Progress No. 9, V417A 689	5885	S	S	..	80
Pumpkin, New England Pie, V291	5883	S	S	..	75
Squash, Royal Des Moines, V509	5889	S	S	..	75
Tomato, Eastern States F1, V013 1 936	5887	S	S	..	75
Tomato, Solid Red, Strain A, V206A	5888	S	S	..	75
Eastern States Farmers' Exch., Inc., Woodsville					
Beans, Cherokee, V29 49	6170	S	S	90	75
Beans, Brittle Wax, V271 47	6171	S	S	90	75
Beans, Tekoa, V529 2	6172	S	64	75	75
Beans, Contender, V253 1	6173	S	S	90	75
Beans, Kentucky Wonder, V272 76	6174	S	S	90	75
Beans, Pencil Pod Wax, V528	6175	S	S	85	75

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(Note)					
FERRY-MORSE SEED CO., Detroit, Mich.					
Elm City Grain Co., Keene					
Lettuce, White Boston	5866	S	S	..	80
Muskmelon, Hearts of Gold	5867	S	S	..	75
Onion, Southport Yellow Globe	5870	S	S	..	70
Radish, Early Scarlet Globe	5868	S	S	..	75
Radish, Early Scarlet Turnip Wh. Tipped	5869	S	S	..	75
Radish, Icicle	5872	S	S	..	75
Radish, Crimson Giant	5874	S	S	90	75
Spinach, Long Standing Bloomsdale	5873	S	S	..	60
Squash, Hubbard	5865	S	S	..	75
FREDONIA SEED CO., Fredonia, N. Y.					
Rand, Ball & King Co., Claremont					
Beet, Detroit Dark Red	6311	S	S	65	65
Carrot, Danvers Half Long	6319	S	S	55	55
Carrot, Chantenay	6322	S	S	55	55
Cucumber, Improved White Spine	6315	S	S	80	80
Cucumber, Straight Eight	6316	S	S	80	80
Lettuce, Romaine	6307	S	S	80	80
Lettuce, Black Seeded Simpson	6308	S	S	80	80
Lettuce, Iceberg	6317	S	S	80	80
Lettuce, Grand Rapid	6318	S	S	80	80
Lettuce, Salad Bowl	6320	S	S	80	80
Muskmelon, Rocky Ford	6314	S	S	75	75
Onion, White Bunching	6309	S	S	70	70
Parsley, Plain Broad-leaved	6312	S	S	60	60
Parsnip, Hollow Crown	6313	S	S	60	60
Pepper, Red Cherry	6321	S	S	55	55
Radish, Early Scarlet White Tip	6304	S	S	75	75
Radish, French Breakfast	6305	S	S	75	75
Radish, Long Scarlet Short Top	6306	S	S	75	75
Rutabaga, American Purple Top	6310	S	S	75	75
CHAS. C. HART SEED CO., Wethersfield, Conn.					
Lewis Bros. Hardware Co., Lebanon					
Beet, Crosby's Egyptian	6092	S	S	80	80
Beet, Detroit Dark Red	6093	S	71.5†	90	65
Peas, Tall Telephone	6090	S	S	80	80
Peas, Little Marvel	6091	S	S	85	80
Sunshine Feed Store, Keene					
Beans, Pencil Pod Black Wax	6286	S	S	85	75
Beans, Top Notch Golden Wax	6287	S	75†	85	75
Beans, Long Pod Dwarf Hort.	6288	S	S	85	75
Beet, Detroit Dark Red	6285	S	65†	90	65
Corn, Early Golden Sunshine	6289	S	S	85	75
Peas, Nott's Excelsior	6284	S	S	80	80
Sunshine Stores, Inc., West Lebanon					
Peas, Little Marvel	6052	S	S	85	80
C. E. Wilbur Hardware Co., Concord					
Beans, Tendergreen	6278	S	S	85	75
Corn, Early Golden Bantam	6280	S	75†	85	75
Peas, Little Marvel	6279	S	S	85	80
BUDD D. HAWKINS CO., Wethersfield, Conn.					
Fred A. Fogg, Enfield					
Beet, Early Blood Turnip	6122	S	S	65	65
Carrot, Danvers Half Long	6127	S	S	55	55
Carrot, Imperator	6128	S	S	55	55
Carrot, Imp. Long Orange	6129	S	S	55	55
Carrot, Nantes Coreless	6130	S	S	55	55
Cucumber, Boston Pickling	6123	S	S	80	80
Cucumber, Imp. White Spine	6124	S	S	80	80
Cucumber, Straight Eight	6125	S	S	80	80
Cucumber, Imp. Long Green	6126	S	71	80	80
Dandelion, Imp. Thick Leaf	6117	S	S	45	45
Lettuce, Simpson's Early Curled	6120	S	S	80	80
Lettuce, Iceberg	6121	S	S	80	80
Parsnip, Imp. Hollow Crown	6115	S	S	60	60
Radish, Early White Tipped Scarlet	6114	S	S	75	75

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(Note)					
BUDD D. HAWKINS CO., Wethersfield, Conn. (con- tinued)					
Fred A. Fogg, Enfield (continued)					
Radish, Early White Tipped Scarlet .....	6118	S	S	75	75
Radish, Long White Icicle .....	6119	S	S	75	75
Turnip, Red Top Globe .....	6116	S	S	80	80
Keegan Hardware, Franklin					
Carrot, Nantes Coreless .....	5912	S	S	..	55
Lettuce, Big Boston .....	5913	S	S	..	80
Lettuce, Early Prize Head .....	5914	S	S	..	80
Radish, Early Scarlet Globe .....	5915	S	S	..	75
BILLY HEPLER SEED CO., Durham, N. H.					
Industrial School, Manchester					
Beans, Wax Pencil Pod .....	6113	S	S	89	75
Beans, Stringless Green Pod .....	6106	S	S	..	75
Beet, Dark Red .....	6112	S	S	88	65
Carrot, Chantenay .....	6107	S	S	89	55
Corn, Iochief .....	6111	S	S	90	75
Squash, Golden Delicious .....	6109	S	S	88	75
Swiss Chard, Fordhook .....	6110	S	S	70	65
Watermelon, N. H. Midget .....	6108	S	S	89	70
MERRIMACK FARMERS' EXCH., INC., Concord					
Merrimack Farmers' Exch., Inc., Bradford					
Beans, Cherokee Wax, 053-C .....	5741	S	S	..	75
Beans, Golden Wax Imp., 123 C .....	5738	S	S	..	75
Corn, Golden Beauty, 413 D .....	5737	S	S	..	75
Peas, World's Record, 46 FC .....	5739	S	S	..	80
Peas, Thomas Lexton, 493 E .....	5740	S	S	..	80
Merrimack Farmers' Exch., Inc., Claremont					
Pepper, Merrimack Wonder, 146-6-C .....	5898	S	S	..	55
Tomato, Queens, 174-3-D .....	5894	S	S	..	75
Tomato, Home Garden, 171-5-D .....	5895	S	S	..	75
Tomato, Marglobe, 172-3-C .....	5896	S	S	..	75
Tomato, N. H. Victor, 173-0-C .....	5897	S	S	..	75
Merrimack Farmers' Exch., Inc., Concord					
Squash, Baby Blue Hubbard, 156-0-E .....	6158	S	S	..	75
Watermelon, Merrimack Sweetheart, 177-0-E .....	6157	S	S	..	70
Merrimack Farmers' Exch., Inc., Goffstown					
Beans, Brittle Wax, 033E .....	5770	S	S	..	75
Beans, Burpee's Stringless Green Pod, 043E .....	5771	S	S	..	75
Beans, Kentucky Wonder Green Pole, 143E .....	5772	S	S	..	75
Beans, Red Kidney, 163 E .....	5773	S	S	..	75
Beans, Contender, 063 A .....	5774	S	S	..	75
Corn, Golden Cross Bantam, 393 C .....	5769	S	S	..	75
Peas, Frezonian, 563 E .....	5767	S	S	..	80
Peas, Merrimack Imp. Telephone, 543 E .....	5768	S	S	..	80
Merrimack Farmers' Exch., Inc., Henniker					
Beans, White Seeded Tendergreen, 253 E .....	6018	S	54	..	75
Merrimack Farmers' Exch., Inc., Keene					
Beans, Contender, 063 A .....	6262	S	S	..	75
Beans, Soldier, 174 D .....	6269	S	S	..	75
Corn, Grant, 403 E .....	6263	S	S	..	75
Corn, High Quality Seneca "60", 362 E .....	6264	S	S	..	75
Corn, Golden Cross Bantam, 393 E .....	6265	S	S	..	75
Corn, Earligold, 433 D .....	6266	S	S	..	75
Corn, Golden Beauty, 413 E .....	6267	S	S	..	75
Corn, Northland, 34 LD .....	6268	S	S	..	75
Merrimack Farmers' Exch., Inc., Laconia					
Cucumber, Straight Eight, 123-3-E .....	6013	S	S	..	80
Peas, Gradus, 533-D .....	6014	S	S	..	80
Peas, Laxonian, 503 E .....	6015	S	S	..	80
Peas, Laxton's Progress, 483-D .....	6016	S	S	..	80
Peas, World's Record, 463-E .....	6017	S	S	..	80
Spinach, Amercia, 152-3-E .....	6010	S	S	..	60

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(Note)					
MERRIMACK FARMERS' EXCH., INC., Concord					
(continued)					
Merrimack Farmers' Exch., Inc., Laconia (con- tinued)					
Squash, Green Hubbard, 167-3-C	6007	S	S	..	75
Squash, Butternut, 161-3-E	6008	S	S	..	75
Squash, Early Yellow Summer Crookneck, 166-3-E	6009	S	S	..	75
Swiss Chard, Lucullus, 62-3-D	6011	S	S	..	65
Merrimack Farmers' Exch., Inc., Manchester					
Beans, White Pea, 213-D	5854	S	S	..	75
Beans, Kinghorn Wax, 253-E	5855	S	S	..	75
Beans, Trout, 204-D	5857	S	S	..	75
Corn, Golden Beauty, 413-D	5858	S	S	..	75
Corn, High Quality Seneca "60", 302 E	5859	S	S	..	75
Corn, Golden Bantam Extra Early, 3039	5860	S	S	..	75
Corn, Northland, 34 LD	5861	S	S	..	75
Corn, Golden Sunshine, 293-D	5862	S	S	..	75
Corn, Stowell's Evergreen, 323-C	5863	S	S	..	75
Corn, Golden Hummer, 273-D	5864	S	S	..	75
Lima beans, Henderson's Bush, 1K3B	5856	S	S	..	70
Merrimack Farmers' Exch., Inc., Milford					
Beans, Brittle Wax, 033-D	5817	S	S	..	75
Beans, Dwarf Horticultural, 263-D	5819	S	S	..	75
Carrot, Long Orange, 112-3-D	5821	S	S	..	55
Carrot, Nantes Golden Beauty, 113-3-D	5822	S	S	..	55
Carrot, Hutchinson, 110-3-E	5823	S	S	..	55
Carrot, Imperator, 111-3-D	5824	S	S	..	55
Carrot, Chantenay Red Cored, 108-3-D	5825	S	S	..	55
Corn, Northland, 34 LD	5820	S	S	..	75
Lima beans, Fordhook 242, 083-D	5818	S	S	..	70
Merrimack Farmers' Exch., Inc., Nashua					
Carrot, Chantenay Red Cored, 108-3-D	5979	S	S	..	55
Cauliflower, Early Snowball, 114-3-C	5980	S	S	..	75
Cucumber, National Pickling, 122-3-C	5981	S	S	..	80
Endive, Deep Heart, 126-3-C	5982	S	S	..	70
Endive, Green Curled, 127-3-D	5983	S	S	..	70
Onion, Danvers Yellow Globe, 144-3-E	5978	S	S	..	70
Merimack Farmers' Exch., Inc., Peterboro					
Beans, White Seeded Tendergreen, 250-E	5871	S	58	..	75
Merrimack Farmers' Exch., Inc., Woodsville					
Beans, Tenderlong, 193-E	6200	S	S	..	75
Beet, Detroit Dark Red, 58-3-E	6195	S	S	..	65
Broccoli, Green Calabrese, 100-3-D	6199	S	S	..	75
Cabbage, Danish Ballhead, 104-3-E	6198	S	S	..	75
Carrot, Nantes Golden Beauty, 113-3-E	6197	S	S	..	55
Corn, Golden Crown, 352-C	6191	S	S	..	75
Corn, Northland, 34 LD	6192	S	S	..	75
Corn, Victory Golden, 423-E	6193	S	S	..	75
Cucumber, Marketer, 121-3-D	6194	S	S	..	80
Lettuce, Great Lakes, 133-3-D	6201	S	S	..	80
Radish, Cherry Belle, 149-3-E	6196	S	S	..	75
MILLIGAN & CURRIER, Manchester					
Milligan & Currier, Manchester					
Beets, Crosby's Egyptian	5934	S	S	75	65
Cucumber, Chicago Pickling	5935	S	S	80	80
Cucumber, National Pickling	5936	S	S	85	80
Lettuce, Big Boston	5937	S	28.5	80	80
Lettuce, Imperial	5938	S	61	80	80
New Zealand Spinach	5944	S	S	70	40
Parsnip, Hollow Crown	5945	S	37	70	60
Radish, French Breakfast	5939	S	S	80	75
Spinach, Long Standing Bloomsdale	5940	S	S	70	60
Squash, Early Prolific	5943	S	S	80	75
Tomato, Dwarf Champion	5941	S	S	80	75
Tomato, Marglobe	5942	S	S	80	75

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(Note)					
NORTHROP, KING & CO., Minneapolis, Minn.					
W. E. Aubuchon Co., Nashua					
Beet, Early Blood Turnip	5776	S	S	..	65
Beet, Detroit Dark Red	5785	S	S	..	65
Parsnip, Imp. Hollow Crown	5784	S	S	..	60
Squash, Early Summer Crookneck	5782	S	S	..	75
Squash, Butternut	5783	S	S	..	75
Swiss Chard, Fordhook Giant	5777	S	S	..	65
Swiss Chard, Rhubarb	5780	S	S	..	65
Turnip, Purple Top Strap-Leaved	5778	S	S	..	80
Watermelon, Kleckley's Sweet	5775	S	S	..	70
Watermelon, New Hampshire Midget	5779	S	S	..	70
PAGE SEED CO., Greene, N. Y.					
Winslow & Keniston, Inc., Concord					
Cucumber, Straight Eight, 124 2356	6160	S	S	90	80
Squash, Blue Hubbard, W13 2354	6159	S	S	85	75
Jefferson Feed & Supply Co., Rochester					
Carrot, Nantes Coreless, F9 7555	6039	S	S	70	55
Cucumber, Boston Pickling, 15 2355	6036	S	S	90	80
Cucumber, Improved Long Green, 14 2356	6037	S	S	90	80
Cucumber, Straight Eight, 124 2356	6038	S	S	90	80
Cucumber, Improved White Spine, 12 2356	6042	S	S	90	80
Spinach, Bloomsdale Long Standing, V13 4855	6041	S	72†	85	60
Swiss Chard, Lucullus, D11 4856	6040	S	S	85	65
Swiss Chard, Lucullus, D11 4856	6202	S	S	85	65
Joslin Hardware, Wilton					
Beans, Tendergreen	6085	S	S	80	75
Beans, Pencil Pod Black Wax	6088	S	S	80	75
Beans, Improved Golden Wax	6089	S	S	85	75
Corn, Golden Bantam	6082	S	S	85	75
Corn, Golden Cross Bantam	6087	S	S	85	75
Peas, Freezonian	6083	S	70	85	80
Peas, Little Marvel	6084	S	S	85	80
Peas, Dark Podded Telephone	6086	S	71	80	80
L. L. PEAVEY CO., INC., Portsmouth					
L. L. Peavey Co., Inc., Portsmouth					
Cabbage, Danish Ballhead	5786	None	S	..	75
RANDOLPH SEED CO, INC, E Randolph, N. Y.					
Hunt's Department Store, Lebanon					
Beet, Early Blood Turnip	6073	S	S	65	65
Cabbage, Danish Ballhead	6075	S	S	75	75
Carrot, Danvers Half Long	6072	S	S	55	55
Lettuce, Grand Rapids	6068	S	70.5	80	80
Lettuce, Prizehead	6069	S	S	80	80
Lettuce, Black Seeded Simpson	6070	S	S	80	80
Lettuce, Great Lakes	6071	S	S	80	80
Onion, White Bunching	6067	S	S	70	70
Parsnip, Hollow Crown	6074	S	S	60	60
J. B. RICE, JR., INC., Shushan, N. Y.					
Scrugg Hardware, Woodsville					
Carrot, Red Cored Chantenay	6148	S	S	80	55
Cucumber, Straight Eight	6151	S	S	90	80
Cucumber, Improved White Spine	6153	S	S	80	80
Lettuce, Big Boston	6147	S	S	90	80
Lettuce, Iceberg	6149	S	S	85	80
Onion, Bunching	6152	S	64.5	80	70
Parsnip, Hollow Crown	6150	S	S	80	60
Radish, White Icicle	6154	S	67	90	75
Radish, Scarlet Globe	6156	S	S	85	75
Turnip, Purple Top Strap-leaf	6155	S	S	85	80
ROBSON SEED CO., Hall, N. Y.					
Merrimack Farmers' Exch., Inc., Concord					
Corn, Hybrid Sweet 1136 Seneca 60	5700	S	S	90	75

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Name and Address of Wholesaler Name and Address of Dealer or Place Collected Kind of Seed	Sample No.	Date Tested*	Germination		
			Found	Guaran- teed**	N. H. Standard
(Note)					
SEARS, ROEBUCK & CO., Chicago, Ill.					
Sears, Roebuck & Co., Nashua					
Beet, Detroit Dark Red	5960	S	S	70	65
Carrot, Nantes	5951	S	S	55	55
Carrot, Danvers	5952	S	S	55	55
Carrot, Imperator	5958	S	S	55	55
Corn, Spangcross	5953	S	S	85	75
Corn, Calumet	5954	S	S	85	75
Corn, Golden Hybrid No. 2439	5955	S	S	85	75
Corn, Golden Cross Bantam	5964	S	S	85	75
Corn, Marcross C 13.6	5948	S	S	85	75
Lettuce, Big Boston	5962	S	S	80	80
Muskmelon, Honey Rock	5957	S	S	80	75
Onion, Yellow Globe Danvers	5956	S	S	75	70
Parsnip, Hollow Crown	5959	S	S	65	60
Radish, Crimson Giant	5950	S	S	80	75
Spinach, Bloomsdale	5949	S	S	65	60
Turnip, Purple Top Strap Leaf	5961	S	S	80	80
F. B. SPAULDING CO., Lancaster, N. H.					
F. B. Spaulding Co., Lancaster					
Beans, Pencil Pod Black Wax	6218	S	S	85	75
Beans, Dwarf Hort.	6219	S	S	85	75
Carrot, Danvers Half Long	6221	S	55†	80	55
Corn, Early Golden Sunshine	6215	S	S	83	75
Corn, Top Cross	6216	S	S	85	75
Corn, Spangcross Hybrid	6217	S	S	85	75
Peas, Peter Pan	6214	S	S	85	80
Rutabaga, American Purple Top	6223	S	S	79	75
Squash, Buttercup	6220	S	S	85	75
Squash, Golden Hubbard	6222	S	19	80	75
WIRTHMORE GRAIN CO. Nashua, N. H.					
Wirthmore Grain Co., Nashua					
Beet, Detroit Dark Red	5965	S	S	75	65
Cabbage, Golden Acre	5973	S	S	89	75
Carrot, Danvers Half Long	5968	S	S	55	55
Corn, Garden Sunshine	5966	S	S	90	75
Corn, Golden Bantam	5967	S	S	90	75
Cucumber, National Pickling	5970	S	S	79	80
Cucumber, Long Green	5971	S	80†	90	80
Lettuce, Black Seeded Simpson	5969	S	S	89	80
Radish, Sparkler	5972	S	S	88	75
Squash, Butternut	5974	S	S	96	75
WOLFEBORO HARDWARE, Wolfeboro, N. H.					
Wolfeboro Hardware, Wolfeboro					
Beans, Dwarf Hort.	6294	S	S	90	75
Beans, Pencil Pod Black Wax	6295	S	S	90	75
Corn, Golden Cross Bantam	6290	S	S	90	75
Corn, Golden Sunshine	6292	S	S	90	75
Peas, Improved Telephone	6291	S	S	87	80
Peas, World's Record	6293	S	S	90	80
F. H. WOODRUFF & SONS, INC., Milford, Conn.					
Granite State Feed Store, Hillsboro					
Beet, Crosby's Egyptian, 48359 x 16	6019	None	S	..	65
Beet, Detroit Dark Red, 48459P16	6028	None	S	..	65
Carrot, Danvers Half Long, 1-631 x 16	6030	None	S	..	55
Cucumber, Straight Eight, 48676 x 16	6024	S	S	90	80
Cucumber, Imp. Long Green, 48446	6029	None	S	..	80
Endive, Green Curled, 46673A16	6025	S	S	85	70
Lettuce, New York No. 12, 41940A16	6020	None	S	..	80
Parsnip, Hollow Crown, 47473 x 16	6027	S	69†	83	60
Pumpkin, Connecticut Field, 44620 x 16	6023	None	S	..	75
Radish, Scarlet Globe, 2-73 x 16	6026	S	S	90	75
Watermelon, N. H. Midget, 1-7202 x 16	6022	None	S	..	70
Merrimack Farmers' Exch., Inc., Concord					
Beans, Red Kidney, 46688	5696	S	S	85	75
Beans, Pencil Pod Black Wax, 0-71506	5697	S	S	90	75
Beans, Tenderlong, 0-7125C	5698	S	S	85	75
Beans, Kinghorn Special Wax, 0-758C	5699	S	S	90	75

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			Found	Guaran- teed**	N. H. Standard
(Note)					
F. H. WOODRUFF & SONS, INC., Milford, Conn. (continued)					
Merrimack Farmers' Exch., Inc., Concord (con- tinued)					
Beans, White Seeded Tendergreen, 1-7244C .....	5701	S	55	90	75
Beet, Detroit Dark Red, 47487 .....	5705	S	S	90	65
Carrot, Danvers Long Strain, 1-541 .....	5703	S	S	70	55
Carrot, Nantes Golden Beauty, 1-629 .....	5704	None	S	55	55
Corn, Golden Sunshine, 46036-S .....	5706	S	S	90	75
Corn, Golden Cross Bantam, 46040 .....	5707	S	S	90	75
Lima beans, Fordhook, 1-6242-22 .....	5695	S	S	86	70
Parsnip, Hollow Crown, 9-538 .....	5702	S	S	70	60
Peas, World's Record, 5-7275 .....	5688	S	S	90	80
Peas, Imp. Telephone, 466692-S .....	5689	S	S	90	80
Peas, Laxtonian, 46693-S .....	5690	S	S	90	80
Peas, Laxton's Progress, 1-734-S .....	5691	S	S	90	80
Peas, Dwarf Telephone, 1-730-S .....	5692	S	S	86	80
Peas, Freezonian, 46901-S .....	5693	S	S	90	80
Peas, Little Marvel, 1-756-S .....	5694	S	S	86	80
J. J. Moreau & Sons, Inc., Manchester					
Beans, Burpee's Stringless Gr. Pod, 0-7168CD12 .....	5722	S	S	90	75
Carrot, Danvers Half Long, 1-631X16 .....	5725	None	S	55	55
Corn, Golden Bantam, 47860A12 .....	5721	S	S	90	75
Corn, Hybrid Marcross, 47857A12 .....	5723	S	S	90	75
Corn, Golden Sunshine, 46047A12 .....	5724	S	S	88	75
Cucumber, Imp. Long Green, 48446 .....	5726	None	S	80	80
Peas, Thomas Laxton, 1-763S12 .....	5720	S	S	85	80
N. H. State Hospital, Concord					
Lettuce, 45388X16 .....	6161	S	S	90	80
S. D. WOODRUFF & SONS, INC., Orange, Conn.					
Checkerboard Feed Store, Manchester					
Lettuce, Big Boston .....	5734	S	S	80	80
Lettuce, Great Lakes .....	5736	S	S	80	80
Parsley, Long Rooted Hamburg .....	5733	S	S	60	60
Joudrey Hardware, Gorham					
Broccoli, Calabrese Green Sprouting .....	6251	S	S	75	75
Lettuce, Prize Head or Bronze Leaf .....	6243	S	S	80	80
Turnip, Purple Top White Globe .....	6242	S	S	80	80
WOODRUFF'S TRIPLE "T" SEEDS, INC., Wethersfield, Conn.					
Checkerboard Feed Store, Manchester					
Carrot, Hutchinson .....	5732	S	S	55	55
Escarolle, Broad Leaf Batavian Endive .....	5735	S	S	70	70
Tomato, Rutgers .....	5731	S	S	75	75
Joudrey Hardware Co., Gorham					
Beet, Detroit Dark Red .....	6246	S	S	65	65
Carrot, Hutchinson .....	6249	S	S	55	55
Carrot, Chantenay Red Cored .....	6250	S	S	55	55
Cucumber, Improved Long Green .....	6247	S	68	80	80
Cucumber, Boston Pickling .....	6248	S	S	80	80
Parsley, Italian Plain Leaf .....	6244	S	S	60	60
Radish, Cherry Belle .....	6245	S	S	75	75
Tomato, Italian Canner or Red Plum .....	6241	S	S	75	75

It is presumed that the following samples were carried over from the previous season; hence the name of the wholesaler is omitted.

<b>Chester Marshall, Agent for Snowflake Canning Co., Lancaster, N. H.</b>					
Corn, Hybrid Seneca Golden, 1214 L .....	6323	12/1954	S	98	75
Corn, Hybrid Seneca Arrow, 1233 L .....	6324	12/1954	75†	97	75

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